

ROBERT M. HOLLEN

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I provide project support, project development, and management consultation to private and governmental organizations. An objective of my work is to support clients in achieving successful and sustainable project and regulatory deliverables by supporting quality and safety assessment audits along with developing quality documentation.

Following a distinguished career with Los Alamos National Laboratory (LANL), I incorporated Hollen Technical Consulting (HTC), with Grace Y. Hollen as co-owner, to provide a quality technical editing, writing, and management consulting practice.

EDUCATION

- Graduated Anderson School of Business, University of New Mexico, Master of Business Administration (MBA), majoring in General Management
- University of New Mexico, Department of Arts and Science, Bachelor of Science, Biology/Chemistry
- Formal management leadership training developed by LANL
- Graduated from the LANL Management Leadership Institute

ENGINEERING MANAGEMENT EXPERIENCE

With over 33 years of project leadership and direct engineering management experience of mechanical and electrical project teams at LANL, I can support clients in achieving successful and sustainable project deliverables and regulatory compliance.

I have served as the senior manager leading a Department of Energy (DOE) complex-wide environmental-cleanup engineering program called the Robotics Technology Development Program (RTDP). I simultaneously managed engineering teams at multiple DOE laboratories emphasizing reliable systems engineering, quality assurance, and regulatory compliance.

I have acquired extensive successful experience supporting private industry-government team partnerships working with companies such as Hewlett Packard and Lockheed Martin. I have also managed the project delivery and interaction between academic institutions (Universities of Tennessee, Texas, and New Mexico) and government engineering teams. My background also includes managing the development of weapons systems in support of the nuclear weapons complex. In support of DOE quality assurance projects, I managed the development of two mobile facilities for the Waste Isolation Pilot Plant (WIPP).

QUALITY ASSURANCE EXPERIENCE

I have implemented engineering and design standards within all of the engineering teams that I managed, installed document and drawing configuration management, and provided quality assurance practices based on DOE Quality Assurance (QA) Programs. These QA Programs were primarily based on the weapons Product Realization model. I ensured that designs for all systems used models-based engineering principles and software quality assurance (SQA) techniques. I have experience working with the Nuclear Regulatory Commission (NRC) licensing and approval process for production and utilization facilities as applied to Non-Destructive Evaluation (NDE) facilities.

MANUFACTURING PROJECT EXPERIENCE

I served as the LANL Engineering Division Project Leader for the Pit Manufacturing Project and as team leader in the core Pit Manufacturing Project Office (PMPO). Additionally, I led the NDE Sub-PRT (Product Realization Team) Technical Task Team for the Pit Manufacturing Project in direct support of several LANL TA-55 Product Realization Teams. I can provide clients with work package manager mentoring, resource assessment, work package development, project management deliverable development/updating, and conflict resolution through compassionate negotiation.

DEPARTMENT OF ENERGY EXPERIENCE

I have worked with the Assistant Secretary of Energy, with multiple Program Managers in the District of Columbia, with Program Managers the Albuquerque Operations Office, and with multiple other Project Leaders across the Environmental Remediation (EM) Organization. Within the Joint Working Group (JOWOG 39) partnership with the United Kingdom, I also collaborated with British researchers at the Atomic Weapons Establishment (AWE) to refine and enhance this remediation technology. Additionally, I collaborated with AWE researchers on JOWOGS 22, 23, and 32 supporting development and maintenance of weapons engineering systems.

INDUSTRIAL PARTNERSHIP EXPERIENCE

I have experience organizing and coordinating an extensive and unique resource-sharing Cooperative Research and Development Agreement (CRADA) contract targeted for transfer of government technology. Awarded to SciBus Analytical, this \$60 million contract included detailed technology licensing arrangements allowing this partner to potentially commercialize our jointly developed technologies. I awarded a \$5 million support contract with APTI/Raytheon to benefit from their extensive technology licensing and instrument development background. I led two national technology demonstrations of the Contaminant Analysis Automation (CAA) Program technology. I have also organized external advisory committees to independently assess project progress and direction.

WEAPONS SYSTEMS ENGINEERING EXPERIENCE

I served as a senior manager for the core nuclear weapons systems engineering group at LANL. I directly supervised more than 50 employees who currently maintain the current U.S. nuclear stockpile and are also responsible for retiring obsolete weapons. I was responsible for several specific engineering teams whose tasks were to maintain the B61, W78, W76, and W88 warheads. I interfaced extensively with program managers and engineering teams from the DOE in Washington and Albuquerque, the Pantex Plant in Amarillo, TX, and the Lawrence Livermore National

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Laboratory (LLNL), supporting my clients in solving engineering, personnel, and funding challenges.

PERSONAL INFORMATION

Security

Held DOE Q clearance and was active and certified within the Personnel Security Assurance Program (PSAP). I had unescorted access to TA-55 and other nuclear facilities.

Awards

Received a LANL Achievement Award from ESA-DO for my efforts as the Pit Manufacturing Project Leader for the LANL Engineering Division.

Received the Pioneer in Laboratory Robotics award from the 7th International Symposium on Laboratory Robotics, October 1989, Boston, MA.

Patents Awarded

U.S. Patent No. 4,377,880: "Cleaning Method and Apparatus," an automated method for cleaning radionuclides from vessels, awarded 1983.

U.S. Patent No. 5,876,671: "Sonication SLM," an automated method for preparing environmental remediation soil samples for analysis, awarded 1995.

Publications/Presentations

I have published over 40 papers, both technical and non-technical, and I have extensive experience in presenting to the attendees of conferences and workshops. I have also developed videos and compact disks.

References: Available Upon Request